



SPYWOLF

Security Audit Report



Completed on
October 04, 2022

MADE IN USA 

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





OVERVIEW

This audit has been prepared for **Grow Mine Operation** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Grow Mine Operation



PROJECT DESCRIPTION

According to their website:

Grow Mine Operation (GMO) is a unique tokenized host mining platform backed by an environmentally conscious cryptocurrency mining operation. GMO's main purpose is to educate communities about blockchain technology, demystify the mining process through tokenization, while remaining an environmentally conscious multi-utility host mining platform with true sustainability. GMO's host mining structure will offer ease of use and allow for a gateway into mining and blockchain technologies.

Release Date: Presale starts on Oct, 2022

Category: Mining

01



CONTRACT INFO

Token Name

Grow Mine Operation

Symbol

GMO

Contract Address

0xb953433BD0F041d61Fae7Be030707867eB78b48e

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Sep 29, 2022

Verified?

Yes

Total Supply

100,000,000,000

Status

Not launched

TAXES

Buy Tax

11%

Sell Tax

11%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of Oct 3, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

Max SellTxAmount
1,000,000,000

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	6
Uniq Senders	4
Uniq Receivers	4
Total Amount	100002064288.6043 GMO
Median Transfer Amount	635715.175714047 GMO
Average Transfer Amount	16667010714.767382 GMO
First transfer date	2022-09-29
Last transfer date	2022-09-29
Days token transferred	1

SMART CONTRACT STATS

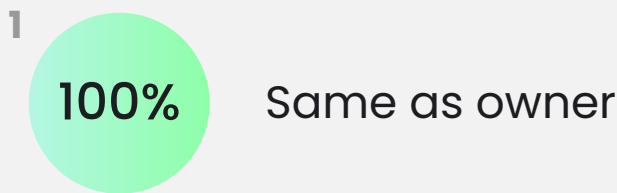
Calls Count	19
External calls	10
Internal calls	9
Transactions count	13
Uniq Callers	3
Days contract called	1
Last transaction time	2022-09-29 05:44:06 UTC
Created	2022-09-29 04:18:57 UTC
Create TX	0xb32ce3276b14849c58e8f2769ada9c8307 abf743fa56b080590727588d448dd0
Creator	0x5559f0bf96836f6370df05f28482c2cd2297 1da4



FEATURED WALLETS

Owner address	0x5559f0bf96836f6370df05f28482c2cd22971da4
Dev address	Same as owner
Marketing address	0xbaf782a7b31ec4bdce7d698dcbd69bf1eb25a7af
Mining address	0x5d0e624ac7b6d1baff95eaab42996cdaecb59cf9
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS



*Tokens are not distributed yet



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can disable trading, making it impossible to sell.

```
function switchMarketActive(bool _state) external onlyOwner {  
    marketActive = _state;  
    if(_state) {  
        marketActiveAt = block.timestamp;  
    }  
    emit MarketStatusChanged(_state, block.timestamp);  
}
```



FOUND THREATS

Informational

Owner can withdraw any tokens from the contract.

```
function transferToken(address _token, address _to, uint _value) external onlyOwner returns(bool _sent){
    if(_value == 0) {
        _value = IERC20(_token).balanceOf(address(this));
    }
    _sent = IERC20(_token).transfer(_to, _value);
    emit TokenRemovedFromContract(_token, _value);
}

function transferBNB() external onlyOwner {
    uint balance = address(this).balance;
    payable(owner()).transfer(balance);
    emit BnbRemovedFromContract(balance);
}
```

Owner can set buy and sell fees combined up to 20%.

```
function setFee(uint Buymarketing, uint Buyliquidity, uint Sellmarketing, uint Sellliquidity,
uint Buydev, uint Buyteam, uint Selldev, uint Sellteam) external onlyOwner {
    //buy
    buyMarketingFee = Buymarketing;
    buyLiquidityFee = Buyliquidity;
    buyDevFee = Buydev;
    buyMiningFee = Buyteam;
    totalBuyFee = buyMarketingFee + buyLiquidityFee + buyDevFee + buyMiningFee;
    //sell
    sellMarketingFee = Sellmarketing;
    sellLiquidityFee = Sellliquidity;
    sellDevFee = Selldev;
    sellMiningFee = Sellteam;
    totalSellFee = sellMarketingFee + sellLiquidityFee + sellDevFee + sellMiningFee;
    //checks
    require(totalBuyFee + totalSellFee <= 200, "Total fees cannot be over 20%");
    emit FeesChanged(buyMarketingFee, buyLiquidityFee, buyDevFee, Buyteam,
    sellMarketingFee, sellLiquidityFee, sellDevFee, sellMiningFee);
}
```



FOUND THREATS

Informational

Owner can exclude address from fees and trading limitations.

```
function editPremarketUser(address _target, bool _status) external onlyOwner {  
    premarketUser[_target] = _status;  
    emit PremarketUserChanged(_status,_target);  
}  
function editExcludedFromFees(address _target, bool _status) external onlyOwner {  
    excludedFromFees[_target] = _status;  
    emit ExcludeFromFeesChanged(_status,_target);  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Grow Mine Operation

GOOD PRACTICES FOUND

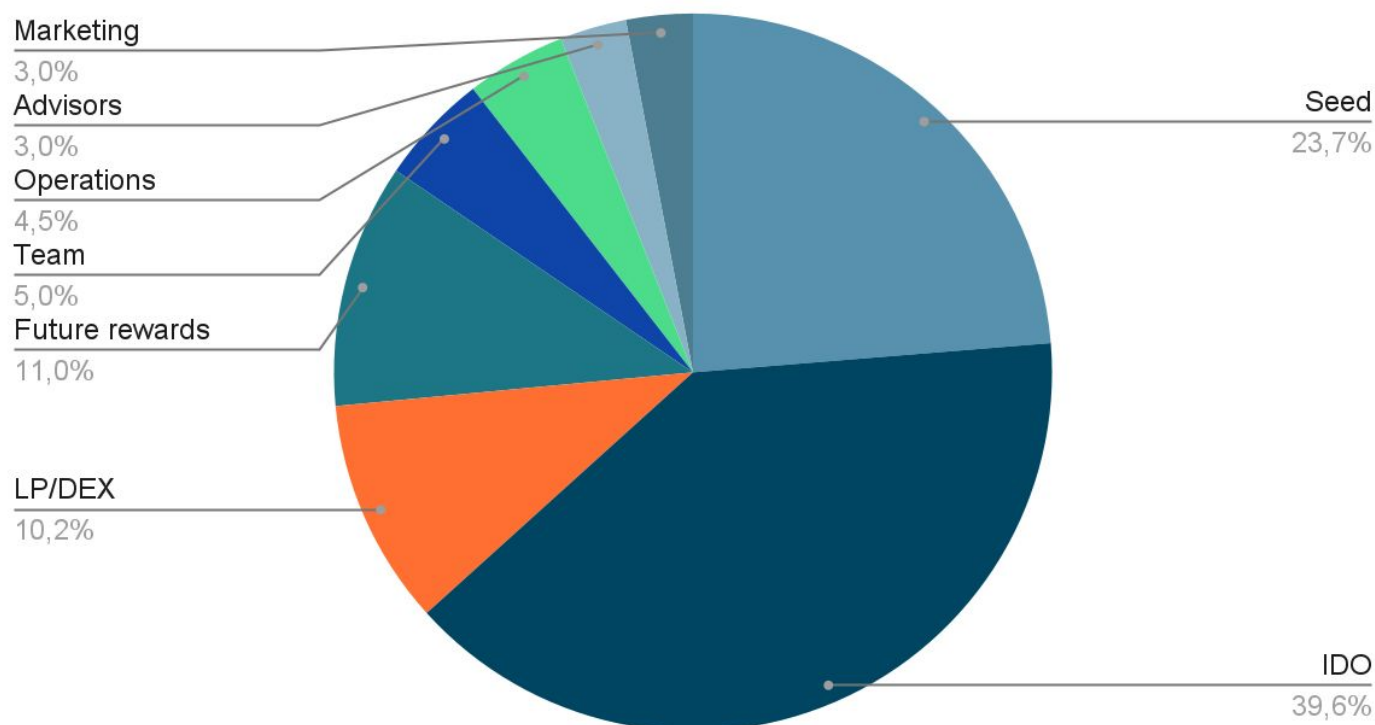
- ✓ The owner cannot mint new tokens
- ✓ The owner cannot set a transaction sell limit below the total supply



*The following tokenomics are based on the project's whitepaper and/or website:

- 39.58% - IDO
- 10.2% - LP/DEX
- 11% - Future rewards
- 5% - Team
- 4.5% - Operations
- 3% - Advisors
- 3% - Marketing
- 23.7% - Seed

Tokens distribution



TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL
<https://gmo.work/>

Domain Registry
<https://whois.godaddy.com>

Domain Expiration
Expires on 2023-03-13

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

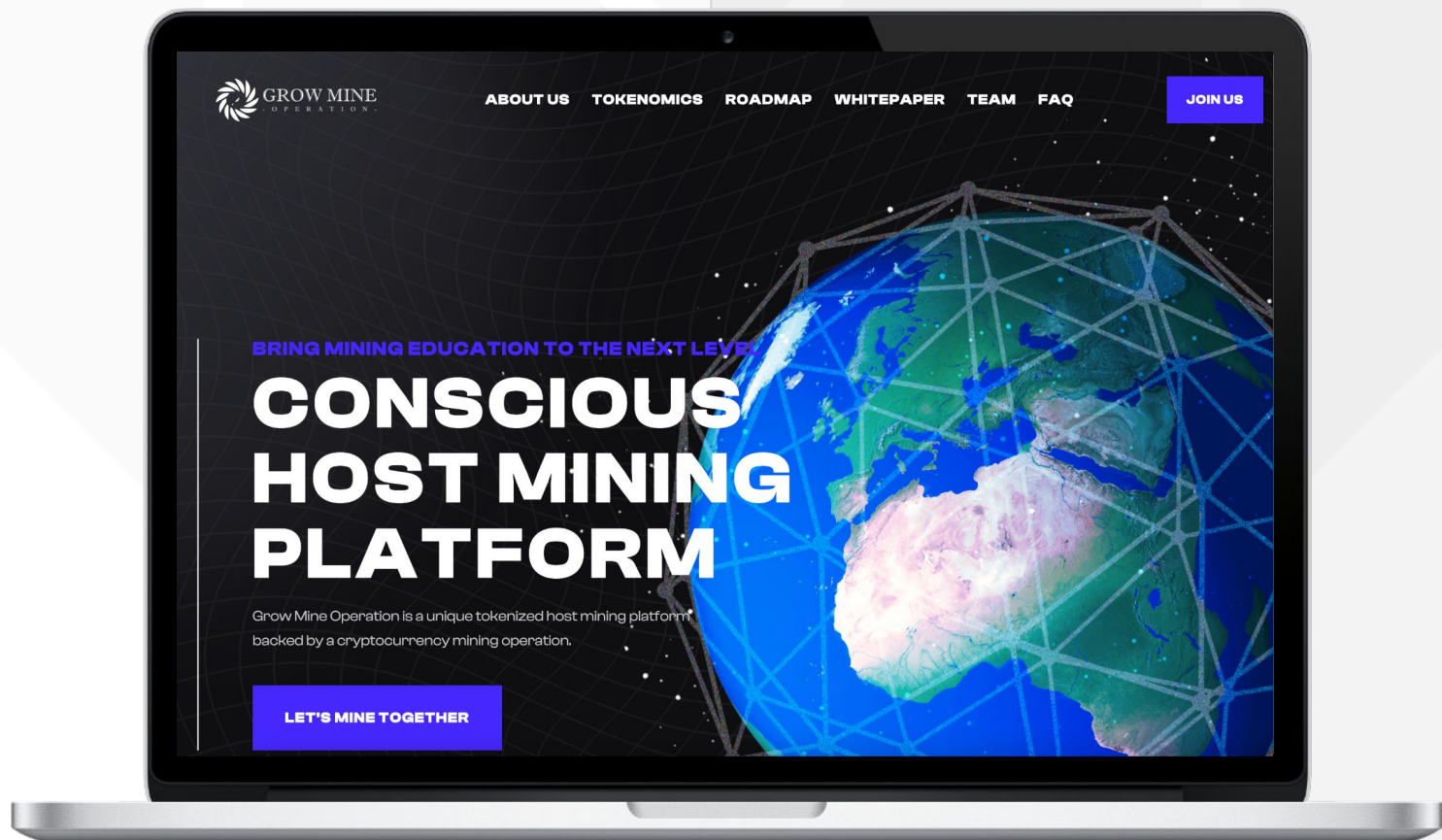
Design
Single page design,
appropriate color scheme
and graphics.

Content
The information helps new
investors understand what
the product does right away.
No grammar mistakes
found.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set with time
frames.

Mobile-friendly?
Yes



gmo.work

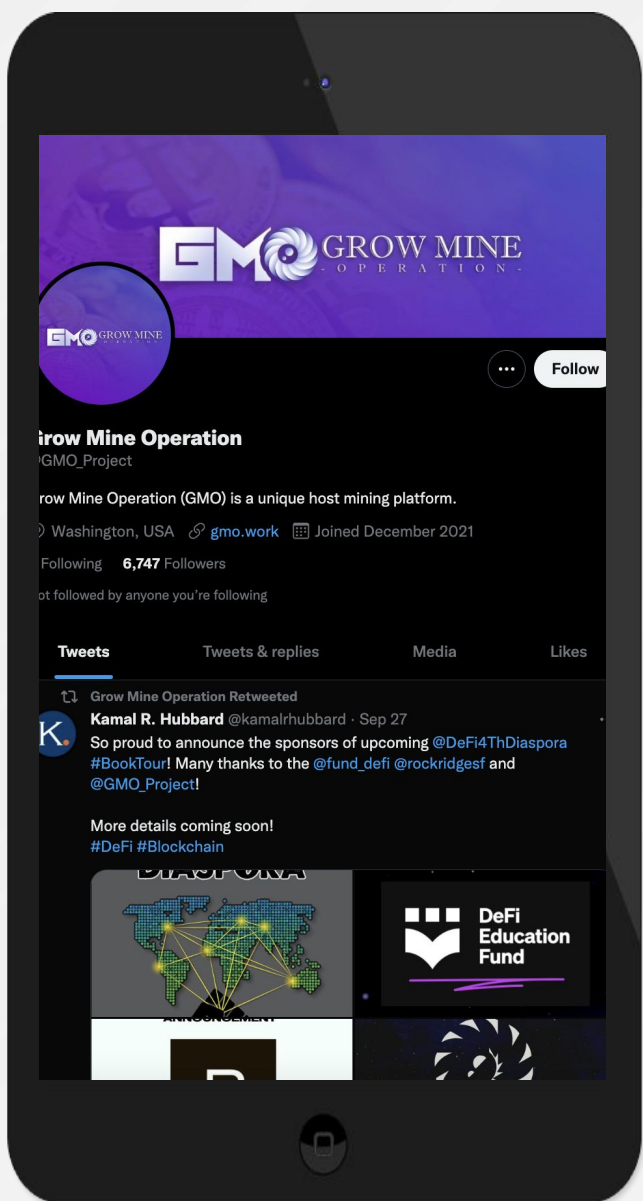
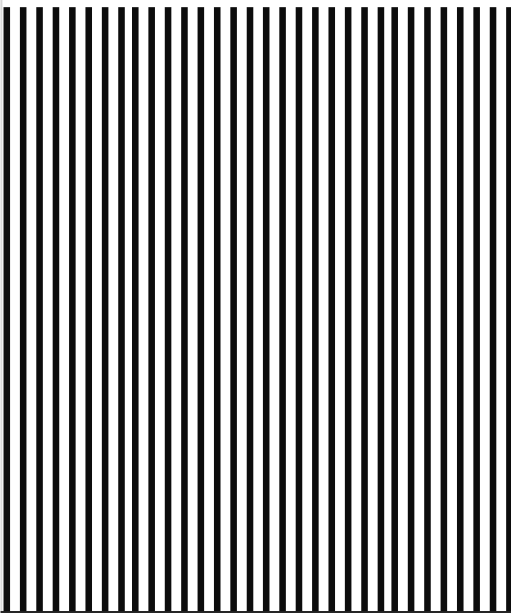


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media pages are not very active



Twitter

@GMO_Project

- 27 followers
- Not very active
- Posts once every few weeks



Discord

<https://discord.com/invite/YgUYESrqay>

- 15 members
- Few active members



Telegram

@GrowMineOperation

- 173 members
- No active members ⚠️
- Active mods



Medium

Medium link here

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.